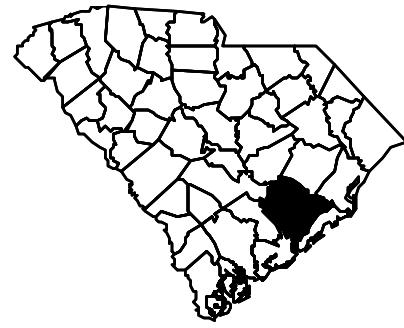


ASTHMA IN BERKELEY COUNTY



Produced by the S.C. Department of Health and Environmental Control for Asthma Awareness Month

(May 2003)

Impact of Asthma in the United States

- U.S. asthma lifetime cases more than doubled from an estimated 6.7 million to 31.3 million between 1980 and 2001.
- Costs for asthma have almost tripled from an estimated \$6.2 billion in 1990, to over \$16 billion in 2001.
- Five million U.S. children are asthmatic, more than the entire population of South Carolina.
- 4,222 people died of asthma in 2001.

Asthma in South Carolina

- Annually about 264,000 South Carolinians suffer from asthma.
- In 2000, 1.2% (5,785) of ALL hospitalizations were for asthma.
- Asthma claimed the lives of 77 South Carolinians in 2001.

Impact of Asthma in Berkeley County

- About 9,221 (6.4%) adults in Berkeley county suffer annually from asthma.
- In 2001, there were 196 hospitalizations for asthma in Berkeley county for all ages.

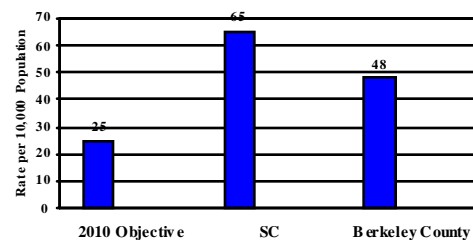
Children Suffer the Most from Asthma

- Asthma/Bronchitis is the leading cause of hospitalization in Berkeley county for children under the age of 18.

- In 2001, there were 84 asthma hospitalizations of children (<18 years) in Berkeley county.
- Healthy People 2010 Objective for asthma hospitalizations among children under age 5 years is 25 per 10,000 children.
- Berkeley county had a rate of 48 per 10,000 children under the age of 5 in 2001, compared to South Carolina's 65 per 10,000 children.

Cost of Asthma

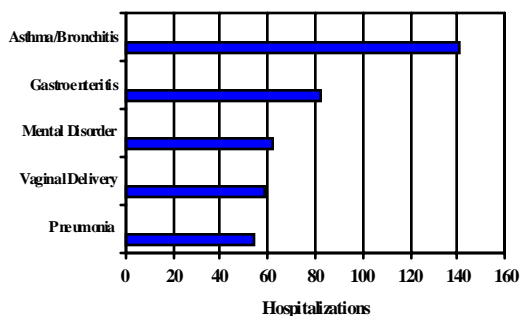
Comparison of Asthma Hospitalization Rates, Children Aged 0-5, Berkeley County, 2001



Data Source: Office of Research & Statistics

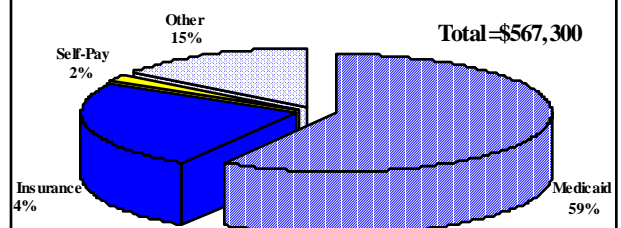
- \$567,300 was charged in 2001 for hospital and ER visits in Berkeley county for asthmatic children (<18 years).
- Medicaid covered nearly 59% of these charges.

Leading Causes of Hospitalization in Children Aged 0-18, Berkeley County, 2001



Data Source: Office of Research & Statistics

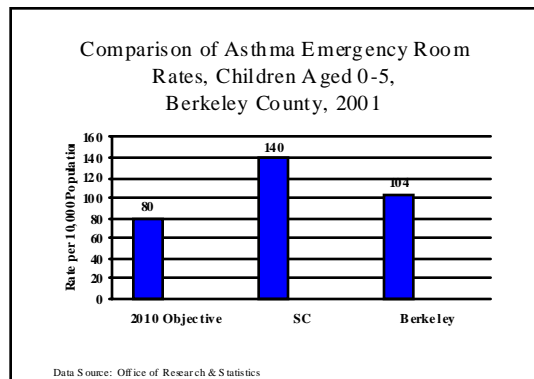
Percent Distribution of Asthma Related ER & Hospitalization Charges of Children Aged 0-18, Berkeley County, 2001



Data Source: Office of Research & Statistics

Emergency Room

- 327 children under the age of 18 visited the ER due to asthma in Berkeley county in 2001. This represents 43% of all ER visits due to asthma.
- \$145,000 was charged for ER visits in Berkeley county for asthmatic children (< 18 years) in 2001.



- Healthy People 2010 Objective for asthma related ER visits among children under age 5 years old is 80 per 10,000 children.
- Berkeley county had an ER rate of 104 per 10,000 children under the age of 5 in 2001, compared to South Carolina's 140 per 10,000 children.

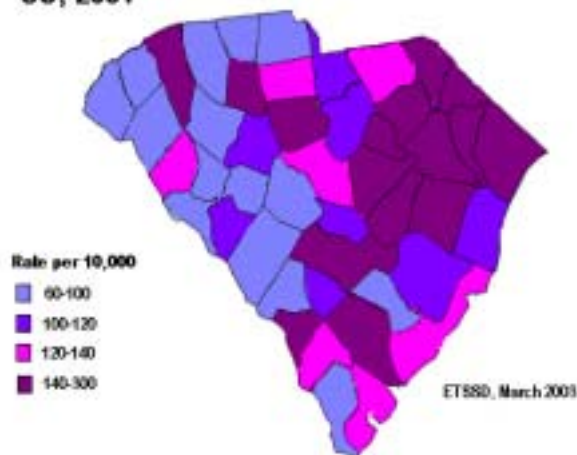


Disparities

- Non-white children under the age of 18 visit ER much more frequently than white children in the same age group.
- The hospitalization rate among non-white children is higher than that of white children.

Hospital and Emergency Room Rates per 10,000 Children (< 18 years), 2001				
	Berkeley County		South Carolina	
	White	Non-white	White	Non-white
Hospital	17.5	26.0	19.2	41.5
ER	42.1	142.2	46	155.5

Asthma Related Hospital and ER Visits Rate for Children Younger than 18 SC, 2001



For more information on asthma contact:

SC DHEC Data Sources:

Behavior Risk Factor Surveillance System

Bureau of Epidemiology
(803) 545-4920

Vital Records

Division of Biostatistics
(803) 898-3649

Bureau of Air Quality

Outreach Section
(803) 898-4467

www.scdhec.net

Generated By:

Epi Technical Support and Services Division
Bureau of Epidemiology

Hospital discharges and ER visits, contact:

Office of Research and Statistics
SC Budget and Control Board
1919 Blanding Street
Columbia, SC 29201
(803) 898-9958



www.orss.state.sc.us/hd/

